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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/825,566	04/15/2004	Kazuaki Nagamatsu	04970/0201153-USO	9119
7278	7590	07/11/2005		
EXAMINER				
BOEHLER, ANNE MARIE M				
ART UNIT		PAPER NUMBER		
3611				

DATE MAILED: 07/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/825,566	NAGAMATSU ET AL.
	Examiner Anne Marie M. Boehler	Art Unit 3611

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-3 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-3 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>4/15/04</u> .	6) <input type="checkbox"/> Other: _____

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1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Onodera (USPN 6,237,713).

Onodera shows an electric power steering system including a first housing A with an integral fitting section 10 and a coaxial second housing B with a separate fitting section fixed by a separate member (see Figure 3). A steering shaft 2 is supported in the housings for axial movement. Nut member 19 is screwed onto a screw groove on an outer surface of the steering shaft through rolling members 31. A motor 1 drives the nut, which transfers motion to the steering shaft.

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cheng (USPN 6,155,376) in view of Onodera (USPN 6,237,713).

Cheng shows a power steering system with a first housing 58, a coaxial second housing 50, and a nut member 70 screw fit through rolling members 74 to a grooved outer surface of steering shaft 32. A motor 60 having a small gear 114 on its output shaft drives a large gear on the nut, which moves the steering shaft. A thrust bearing

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76 is fixed in the first housing to prevent the nut from moving axially. The motor is connected to the second housing by a transmission housing 148. A projection 160 from the housing 148 extends loosely into a recess in the first housing and is held in place by a mesh adjusting section that changes the radial position of the transmission housing, and motor, relative to the first housing.

Cheng is silent regarding fixing sections on the first and second housings.

Onodera shows an electric power steering system including a first housing A with an integral fixing section 10 and a coaxial second housing B with a separate fixing section fixed by a separate member (see Figure 3).

It would have been obvious to one of ordinary skill in the art to provide the Cheng housing with an integral first fixing section and a separate member for attaching a second fixing section, as taught by Onodera, in order to securely and adaptably attach the housing to the vehicle.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Cheng (USPN 6,164,407) shows a power steering motor with an adjustable motor.

Tatewaki, Iwasa, Sasaki, Oka, Homaga and Tatewaki show electric power steering systems.

Iwasaki, Ishimaru, Tsutsui, and Takaoka each show a steering system with adjustably meshing gears.

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anne Marie M. Boehler whose telephone number is 571-272-6641. The examiner can normally be reached on 7:30-5:00, Monday-Thursday, and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lesley Morris can be reached on 571-272-6612. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

anBoh 7/6/05

Anne Marie M. Boehler
Primary Examiner
Art Unit 3611

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